Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Tuesday 07 Dec 2021 until 23:59 on Wednesday 08 Dec 2021

Forecast Issued on Monday 06 Dec 2021 at 15:48

Confidence: High confidence for the arrival of Storm Barra on Tuesday with gales and a period of snowfall. Lower confidence in the track of Storm Barra on Wednesday and the details of the forecast. High confidence for a return to slightly milder conditions by the end of the week.

Headline for Tuesday 07 Dec 2021: A stormy day with gales for the Peak District, a period of snowfall above 200m, blizzards conditions possible.

Mountain weather hazards on Tuesday 07 Dec 2021

Blizzards Medium Likelihood	**Heavy Snow** Medium Likelihood	**Storm force winds** No Likelihood
Gales High Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** High Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light snow showers (night)	Partly cloudy (night)	Partly cloudy (night)	Cloudy	Light snow	Heavy snow	Heavy snow	Dull
Precipitation probability							
10%	10%	10%	10%	50%	90%	90%	50%

Forecast for Tuesday 07 Dec 2021

Weather: A brief period of drier clearer conditions overnight for most of the area but feeling very cold with a significant wind chill likely in the fresh westerly winds. A reasonably bright start to the day but winds strengthening soon after day breaks and cloud beginning to thicken from the west. A band of sleet and snow will spread across the area accompanied by severe gales, snow is likely above 200m with a mix of rain and sleet at lower levels. This will result in blizzard or whiteout conditions at times by late morning, a severe wind chill is expected in the wintry conditions. Although the main snow band will clear through by early evening, wintry showers are soon expected, again accompanied by some very strong gusts.

Chance of cloud free mountain/hill tops above 600m: 90% falling to 10% associated with the band of snow crossing the area. There will be further breaks in the cloud later in the day but these may be hard to find if showers group together.

Visibility: Initially visibility will be good however it will rapidly deteriorate as low cloud develops over the tops and sleet and snow spread across the areas, cloud bases are expected to be broken or overcast above 300m. Very poor or whiteout conditions are likely at times as snow moves through. Brief periods of better visibility are likely by mid to late afternoon but any snow showers will soon cause it to deteriorate again.

Check our weather forecast every day to get the most accurate and up to date information
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Forecast for Tuesday 07 Dec 2021

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	21/27 W	18/23 W	10/13 S	22/34 SE	32/45 SE	38/51 SE	25/36 S	30/42 S	33/45 S
300	16/24 W	12/19 SW	6/10 SE	16/28 SE	28/43 SE	33/48 SE	19/31 SE	24/37 S	26/40 S
Valley	9/21 W	7/17 SW	6/10 SE	9/22 SE	19/42 SE	24/50 SE	13/31 SE	17/37 SE	19/40 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-0/-7	-1/-7	-1/-5	-0/-8	-1/-9	0/-8	1/-6	0/-7	0/-8
300	2/-4	1/-4	1/-2	1/-5	2/-5	2/-6	4/-2	3/-3	3/-4
Valley	2/-2	2/-2	0/-3	1/-3	2/-4	2/-5	3/-1	3/-2	3/-2
Freezing Level*	500m	500m	200m	200m	300m	500m	800m	700m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Extremely hazardous conditions on Tuesday with very strong winds expected, particularly around mid afternoon. Note the significant wind chill. Winds are also likely to cause blizzards or white out conditions at times.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Mon 06 Dec 2021	1.2mm	13.6mm	21mm

Forecast for Wednesday 08 Dec 2021

Weather: A stormy start to Wednesday with frequent sleet or snow showers above 600m and southeasterly gales continuing overnight. This will continue for much of the day with some showers turning heavy and a risk of thunder too, showers will turn to rain by the end of the day. Winds will gradually ease during the afternoon.

Maximum wind: Southeasterly 25 gusts 35mph gradually easing and becoming northwesterly 15-20mph later.

Chance of cloud free mountain/hill tops above 600m: 20% associated with frequent showers during the day, a few brighter spells but these will be hard to find.

Visibility: Cloud is likely to be broken or overcast above 500m with some patchy cloud below this, particularly in the west.

Temperature: **Valleys:** Plus 4 Celsius.
At 600m: Minus 1 rising to Plus 2 Celsius by evening.
Freezing level: 600m rising to 900m

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